The 2009 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA’09) will be held at the Mohonk Mountain House in New Paltz, New York, and is sponsored by the Audio & Electroacoustics committee of the IEEE Signal Processing Society. The objective of this workshop is to provide an informal environment for the discussion of problems in audio and acoustics and the signal processing techniques leading to novel solutions. Technical sessions will be scheduled throughout the day. Afternoons will be left free for informal meetings among workshop participants.

Papers describing original research and new concepts are solicited for technical sessions on, but not limited to, the following topics:

**Acoustic Scenes**
- Scene Analysis:
  - Source Localization, Source Separation,
  - Room Acoustics
- Signal Enhancement:
  - Echo Cancellation, Dereverberation, Noise Reduction, Restoration
- Multichannel Signal Processing for Audio Acquisition and Reproduction
- Microphone Arrays
- Eigenbeamforming
- Virtual Acoustics via Loudspeakers or Headphones

**Audio Coding**
- Waveform Coding and Parameter Coding
- Spatial Audio Coding
- Internet Audio
- Musical Signal Analysis:
  - Segmentation, Classification, Transcription
  - Digital Rights
  - Mobile Devices

**Hearing and Perception**
- Auditory Perception, Spatial Hearing, Quality Assessment
- Hearing Aids

**Music**
- Creation of Musical Sounds:
  - Waveforms, Instrument Models, Singing
  - MEMS Technologies for Signal Pick-up

Submission of four-page paper Notification of acceptance Early registration until
April 15, 2009 June 26, 2009 September 1, 2009